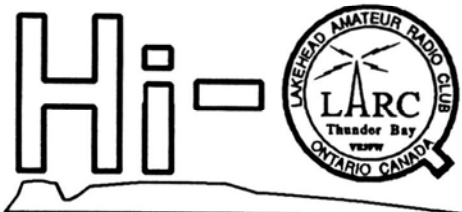


## Club Repeaters:

VE3TBR —Tel. 767-7661  
Listen on: 146.82 MHz.  
TX on: 146.22 MHz.

VE3YQT—Tel. 767-5492  
Listen on: 147.06 MHz.  
TX on: 146.46 MHz.



Journal of the L.A.R.C.

## Next meeting:

Thursday, Sep. 8<sup>th</sup>  
1994

Room 245, McIntyre  
Building,  
Confederation College.

# September, 1994

---

**LARC is a member of Radio Amateurs of Canada**

---

## Prez sez...

Here it is the middle of August, it seems as if June was just a couple of days ago. Hamfest 94 seems to coming together very well, we have about 5 dealer tables and about 10 private tables spoken for so far. Should be a very busy day for local area amateurs with the flea market and the Lakehead Amateur Radio Club 60<sup>th</sup> Anniversary Dinner later that evening. Hope that we will get to see a lot of you on Aug. 27<sup>th</sup>.

It's been awhile since I submitted an article for Hi-Q and I have no excuse, except that, this year has been a very busy year for the L.A.R.C. with many projects on the go. I suppose the most often asked question lately is when will the link to Grand Marais be installed. We have decided to go with a full duplex link all the way and that has involved a lot more work. We have to install 3 sets of duplexers, two for the 440 band and one for the 2 metre band. The 2 metre duplexers have to be completely reworked with new hybrid rings and I'm in the process of working on them now. Building hybrid rings is a project that all amateurs should do at least once in their lifetime. There are about 50 N-Connectors involved in the assembly. To make matters even more difficult, each cable length must be absolutely correct. We hope to get the link up in the next 4 to 6 six weeks if all goes as planned.

It's also that time of year once again to do our yearly maintenance on YQT and TBR repeaters. We are looking at September to get that done. We especially need to get to YQT before the snows come. Judging by the feel of the weather lately, September may be too late this year.

Special thanks to Jim, VE3UA for an excellent Hi-Q again this year. In talking with Jim the biggest problem he has is getting local articles for the newsletter. I think that if each member would write at least one article regarding Amateur Radio that's of special personal interest, that Jim would have enough local content to last the whole year. If you do not feel comfortable about writing an article give Jim a call. I'm sure that between the two of you he can get it down on paper. Articles can be submitted as a ASCII file, WordPerfect format or if you do not have a computer a hand-written copy would be acceptable. Think about it and try to put one together for our newsletter.

Again this year a special thanks to all that have helped out

with all the different things that the club has been involved with. There are too many events and projects to name each and every one of you, but your efforts are appreciated just the same.

73—Terry, VE3TKA

## Inside

1994/95 Membership Application .....	8
A.R.E.S. in Thunder Bay .....	VE3BBS. 11
CQ Field Day .....	VE3XRC. 4
Field Day '94 photos .....	VE3MJN and VE3OPF. 7
Happy Birthday .....	11
Important issues discussed at	
RAC Convention in Calgary ... RAC News Bulletin.	6
Invite a criminal to dinner .....	KD1FW. 5
L.A.R.C. Executive and Appointments .....	2
L.A.R.C. Hi-Q and Club Information .....	3
Minutes, June General Meeting .....	12
Newcomers learn fast .....	K0HB. 3
Northern Ham Flea Market (SSM) .....	6
RAC Convention '94 .....	5
Santa comes early this cycle .....	VE1WG. 9
Sleeping Giant Camporee .....	VA3RIM. 9
Space shuttle launches .....	11
The Big One .....	6
The other Field Day 1994 .....	VE3OPF. 4
We learn from experience .....	VE3VUK. 2

---

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**  
**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**

Lakehead Amateur Radio Club History Project

**1993/94 LARC**  
**Founding President**  
**P.J. (Pat) O'Shea VE3FW**  
**1881—1972**

**EXECUTIVE BOARD**

<b>President:</b>	Terry Stewardson	VE3TKA	577-9439
<b>Vice-President:</b>	Steve Robb	VE3KRH	345-6992
<b>Secretary:</b>	Norm Bell	VE3XRC	577-9316
<b>Treasurer:</b>	Skip Wright	VE3BBS	767-2307
<b>Directors:</b>	John Kaleta	VE3EMI	344-0165
	Glen Wallace	VE3ICY	623-0135
	Len Catillo	VE3KV	473-9430
<b>Editorial Coord.</b>	John Watson	VE3GTX	683-3199
<b>Past President:</b>	Mark Vukovich	VE3VUK	345-5856

**CLUB APPOINTMENTS**

<b>License Sponsor:</b>	John Visser	VE3HTM	767-8525
<b>Public Relations:</b>	Bob Bishop	VE3JAB	767-5689
<b>Theory Instruction</b>	Ed Baumann	VE3SNW	622-1216
<b>Code Instruction:</b>	Norm Bell	VE3XRC	577-9316
<b>Hi-Q Editor:</b>	Jim O'Brien	VE3UA	623-7893
<b>Call-Book:</b>	Jim O'Brien	VE3UA	623-7893
	Terry Stewardson	VE3TKA	577-9439
	Garry Michaluk	VE3GWT	475-7101
	Pat Pugh	VE3PHU	345-8562
<b>Awards Manager:</b>	Norm Bell	VE3XRC	577-9316
<b>Hardware:</b>	Laurie Bridgett	VE3BCD	622-1628
	Lindo Scalese	VE3NHX	767-4377
	Glen Wallace	VE3ICY	623-0135
	Bill Unger	VE3EFC	683-3141
	Len Catillo	VE3KV	473-9430
<b>Software:</b>	Steve Robb	VE3KRH	345-6992
	Terry Stewardson	VE3TKA	577-9439
	Bob Bishop	VE3IAB	767-5689
<b>EMC Committee</b>	Mike Nawrocki	VE3ZG	767-1714
	Bill Unger	VE3EFC	683-3141
	Laurie Bridgett	VE3BCD	622-1628
	Lindo Scalese	VE3NHX	767-4377
<b>Industry Canada Delegates</b>			
<b>Delegated Examiner:</b>	Ed Baumann	VE3SNW	622-1216
	Dave Kimpton	VE3AVS	344-8949
	Bob Mitchell	VA3XC	983-3000
<b>ARES Emergency Coordinators</b>			
<b>E.C.:</b>	Skip Wright	VE3BBS	767-2307
<b>Assistant E.C.:</b>	Norm Bell	VE3XRC	577-9316

## We learn from experience!

*by: Mark Vukovich, VE3VUK*

It was a dark and stormy night... but let's start earlier the same day. While at work, my Hygienist told me of how her husband, had, the night before, been thrown across the bathroom by a lightning strike when he reached for a tap. It must have hit the house or very near by and charged the plumbing system enough to zap him. Once he recovered from the shock, they noticed the burglar alarm was beeping. (This system was found to be beyond repair.) Then they noticed a hissing sound from outside. Upon opening a window, the smell of natural gas was obvious. This family had experienced a gas furnace explosion and suffered the loss of their camp just a few years earlier. They knew to evacuate as quickly as possible. The fire department responded and shut off the gas line. The lightning had blown apart a gas coupling. Fortunately there was no spark and explosion this time.

You would think some of this would have sunk into my head! Later that day Bill, VE3EFC and I completed a sweep of my VHF and Cellular antennas at our family camp at Dog Lake. I was pretty tired after a day at work and an evening playing with antennas. I fell asleep on the couch. Mother woke me later, saying "Unplug the TV and go to bed." You see, the weather was at it again, another storm. As I passed the VHF radio I turned it off and switched the coax to the ground position. (A good precaution under normal circumstances but NOT during a storm.) Another couple of hours went by and I overheard some conversation about some nearby lightning strikes. Apparently I sleep pretty soundly, because mom told us later that she felt the shock of a nearby hit, and I knew nothing about it.

When I woke up in the morning I noticed the Hydro was out. The power supplies were dark, the radio and phone were off as well. No big deal, we have a 12 volt battery, I hooked up the battery and in minutes... nothing. I got some power cables and hooked up to the truck battery outside and in minutes... nothing. To make a long story short, both my 10 and 20 amp power supplies, my Motorola VHF radio and cellular phone were cooked. The ground pin on one of the power supplies was fused to the wall outlet. There were tell-tale black flashes, burned traces and blistered components over the circuit boards and chassis of my equipment. I'm not sure if the lightning hit the tower or the electrical system, but all the coax was fine and the SWR readings were all OK.

The moral of this story is to unplug everything! Don't be lazy, if there is a storm, get out of bed and do it! Even with the equipment off and everything grounded out there is still contact between your expensive ham stuff (and other costly things too) and the wiring and cables running in and around the house. Fortunately I had grabbed the power cord to the surge protected power bar connected to the TV and VCR. I don't know if the surge protection would have helped, had the cord been plugged in. But, considering all the places the surge did travel, I have a feeling this could have been an even more costly event.

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**  
**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**

## Newcomers learn fast (the "old grouch" sez...)

by Hans Brakob, K0HB

I talked to a young fella on the repeater the other day who introduced himself, "My personal is Jim and you're my first contact."

He seemed like a nice sort, delighted that he had just received his shiny new call sign and anxious to make new friends. It reminded me of how I felt when I put my new call sign on the air the first time way back when.

Except that Jim is probably brighter, 'cuz he's one of those young computer jocks. (I still have problems with my slide rule's LL scale.)

Yep, Jim sounded quick to catch on to things. But I don't think he'll be back on the repeater.

Before I got to know much about Jim, or even wrangle an invite to lunch, a guy with an impressive "senior" call sign joined the contact, flashed his shiny "Radio Cop" badge, and proceeded to issue Jim a "verbal speeding ticket" for improper lingo on the radio. Radio Cop said the term "personal" was unwelcome in ham radio. He made my new friend feel like an unwashed interloper.

Now Radio Cop did take pains to appear well meaning. He didn't use bad words, he was polite, and it seemed like he was trying to be helpful. He obviously thought he was doing Jim a favour by pointing out his transgression from our sacred amateur radio ways.

But I think Jim felt the way I did back in a new school in third grade, when the well-meaning teacher pointed out that, "We don't keep our pencil behind our ear in this room." Sure enough, when I looked around, none of my classmates had pencils behind their ears. It sure was embarrassing, and at that moment I wished I was back with my old buddies in second grade.

Now if I had been allowed to hang out a couple of days, I'm sure I would have learned how to properly stow my pencil. And if Jim would have hung around of our repeater a couple of days, I bet he would have noticed that his lingo, perhaps learned in another radio service, was out of place. And before long Jim would have sounded just like the rest of us. Like I said he seemed bright, quick to catch on.

Radio Cop, congratulations; you kept our hobby uncorrupted. I heard Jim on 27 MHz. this morning trying to sell his barely-used 2-metre hand held. I'm gonna miss him. I think I could have learned something from him. Maybe you could have also.

Like I said, Jim seemed pretty bright. Come to think of it, what do you suppose he learned on our repeater?

*From the August '94 ARNS Bulletin—David M.*

*Barton, AF6S, Editor who credits the June '94*

*Massillon (Ohio) ARC "Feedback"—Gary Kline,*

*WC8W, Editor and the July '94 Alliance (Ohio) ARC*

*"Zero Beat"—John Myers, WX8G, Editor.*

## LARC/Hi-Q Information

Hi-Q is published ten months of the year by the Lakehead Amateur Radio Club Inc. (LARC), an Ontario registered, non-profit corporation. The opinions/viewpoints expressed or implied in Hi-Q are those of the contributing authors; the LARC, Hi-Q or its' Editor assume no responsibility for the accuracy of information submitted. Material in Hi-Q may be copied for non-profit use by the amateur radio community provided credit is given to the author and source(s).

Contributions related to amateur radio, and in particular articles of interest to Northwestern Ontario amateurs, are encouraged. Contributions in the form of manuscripts with drawings and/or photographs are welcome, however, the preferred method of submission is electronically, either via modem or on a 3.5" disk, the disks will be returned). The preferred format is as a WordPerfect® 5.1 file; the next acceptable is as an IBM-compatible ASCII file.

Mail your articles direct to the Editor, Jim O'Brien at 737 South Norah Street, Thunder Bay, ON, P7E 1P6. Files may also be submitted via modem by prearrangement at (807) 626-9648 (2400 N, 8,1) or on PACKET to VE3UA @ VE3TKA.#NON.ONT.CAN.NA.

Dated announcements should be received by the editor no later than ten days prior to the first day of the month in which the notice is to appear.

As a means of reducing production and distribution expenses, Hi-Q will accept advertising at the following per-issue rates: Full page — \$60.00; ½ page — \$40.00; ¼ page — \$20.00; and 1/8 page — \$15.00. Reduced rates, of one third off, are available upon receipt of advance payment for 10 issues (i.e. one full year). Send your "camera ready art work" and cheque (payable to LARC) to the Club address below.

Advertising matter that appears in Hi-Q implies neither endorsement nor recommendation of the product or service by the LARC, Hi-Q or its' Editors.

LARC membership fees, determined annually, are set for 1993/94, as follows: Regular — \$30.00; Associate — \$20.00; Associate (attending Ham classes) — \$80.00; Student (attending school full time) — \$15.00; and Family — \$30.00, plus \$10.00 for each additional member of the family at the same address.

Hi-Q is distributed to all LARC members, except that only one copy is issued to each address.

The club call is VE3FW in honour of our founding president, Pat O'Shea. The LARC owns and operates two VHF repeaters, VE3TBR on 146.82 MHz (minus) located atop St. Joseph's Heritage, and VE3YQT on 147.06 MHz (minus) located on Mount Baldy.

The club mail address is: Lakehead Amateur Radio Club Inc., P.O. Box 2571, Thunder Bay ON P7B 5G1 Canada.

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**

**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**

## CQ Field Day

by Norman Bell VE3XRC

CQ, CQ, CQ Field Day, this is Victor Echo 3 Foxtrot Whiskey, you're 5 alpha Ontario.

Every year, amateurs across North America pack up their rigs, antennas and generators the last weekend of June and head for Field Day. What is Field Day you ask? Sponsored by the American Radio Relay League (ARRL), Field Day is a 24 hour exercise testing the capabilities and ingenuity of amateurs under emergency conditions. The rules are simple; you can't start to set up until 8 am Saturday morning and the activities start at 2 pm and run until 2 pm Sunday.

Last year, we got wet setting up and we got wet taking everything down. Thanks to the expert forecasting of Environment Canada's Bruce Binnie, VE3GHB, this weekend was perfect weather wise, wall to wall sunshine.

In conjunction with the City of Thunder Bay's Occupational Health and Safety display at Marina Park, the Lakehead Amateur Radio Club set up their 1994 field day operation in Marina Park at the foot of Camelot Street. Using a large circular tent provided by Matti Nummelin, VE3EEI, a generator supplied by J & J Sports as well as one supplied by Terry Stewardson, VE3TKA, the crew went to work. By the time 2 pm rolled around, we had two towers with beams erected, a vertical antenna, a dipole and a 2m sideband antenna on a pop-up tower ready to go. Inside the tent which was open to the general public, 5 rigs went on the air calling 'CQ FIELD DAY'.

For the next 24 hours, the 5 rigs went almost continuously. Operators worked in shifts on various bands. As usual, Bill Klemacki, VE3AJ burned up 20m on CW. Even 10m and 15m were open. During the 24 hours, approximately 25 members of the club took a turn at one rig or another. It was surprising at how many people out for their daily or evening stroll through Marina Park dropped in to see what was going on. This was a combination of the location and the tent with open sides until it got rather cool in the evening.

They say a way to a man's heart is through his stomach. That applies to amateurs at field day too. Thank goodness the Golden Arches were only a stones throw away and at midnight, chef Bill Unger, VE3EFC cooked up a pot of boiling hot sausages which were washed down with some of the strongest coffee I have ever drank (but boy was it good) brewed up by Joan Klemacki, VE3NCN. No wonder most of us kept awake all night.

I say most of us stayed awake all night. One individual, who shall remain nameless to protect the innocent managed to fall asleep on an 8 inch picnic table bench. We were waiting for him to roll over and fall off. Unfortunately, this individual was a sound sleeper (even with trains going by not 50 feet from the tent) and he slept long enough to become very stiff.

Although activity on the bands decreased somewhat in the wee hours of the morning, we still managed to make some contacts and get everything fed into the computer.

It has been a long time since I had the opportunity to

watch the sun come up over the grain elevators, but it was something else to see. There are sure a lot of energetic joggers in this city who like to do their thing at 6 am. I got tired just watching them.

As the day wore on, the bands picked up and the contacts increased. On Saturday, a number of club members dropped in and took over a rig for a while. But, before we knew it, it was 2 pm Sunday and time to shut everything down. Terry, VE3TKA almost had a heart attack; he was still entering contacts into the computer when he saw Laurie, VE3BCD reach for the off switch on the generator. When it was all over we had accumulated 198 SSB contacts and 193 CW contacts. As soon as we were finished with the computer, the generators were shut off and the take-down started.

What took us 5 hours to put up on Saturday came down and was packed away in 1 hour and 5 minutes on Sunday. Boy, are we good.

Field Day 1994 was a super event. The weather was perfect, both for us and the gang at Arrow Lake, and the participation by club members was excellent. It was also an ideal opportunity to display amateur radio to the general public. I hope we go back to the same spot next year.

## The other Field Day 1994

### A family affair at Arrow lake

### What a splash !!!

What is the definition of Field Day? Ask that question of ten amateurs, and you will likely get ten different answers. So we combined the thoughts of many locals and came up with something we felt was Field Day. It would be held at East Arrow Lake located 90 km southwest of Thunder Bay. This site afforded us a Field Day site which forced us to cope with nature since there was no commercial power, telephone, technician, grocery store, fast-food outlets, etc. You get the idea; it was all of us against nature just like in an emergency. However the site also allowed for some fun activities for all, such as tube races, swimming, water-skiing, fishing, etc.

This event wouldn't have been as successful if it were not for the generous donations of the following sponsors:

Inter-comm Supply Co -	for their generous gift and providing us with some additional connectors
Antennas Connectors	
Coax & Surplus -	for their generous prizes
Petro Canada -	for their generous donation
Buns Master -	for supplying all the Hamburger and Hot Dog buns
U B Brewmaster -	for the all-you-can-drink beverages

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**

**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**

Lakehead Amateur Radio Club History Project



Radio Shack - for the generous donation and the discount on supplies

Now what did we do for Field Day? We set up three HF stations, one VHF station, and a lot of antennas. Our stations consisted of the following: TS-50 with 40 M dipole; TS-430 with 10-15-20 M vertical and a 20 M Quad; Atlas 210 with 20 M dipole and 80 M mobile whip; 2 Meter rig with vertical.

Band conditions were good for the weekend and a couple hundred contacts were made for the Field Day log, however the 2 M end suffered. We managed to receive the YQT repeater but were unable to reach it, maybe next time. With this I would like to thank all the people that donated some time to work the three Field Day stations. Special thanks to Glen for taking the time to fix his rig in the middle of the wilderness. (Glen, I never thought a radio had that many pieces.)

But we found that life does not only consists of working a radio so the following activities were undertaken. Some minor fishing trips took place and Rob 'FLB' tried to supply us with fish. Les 'JAJ' showed us that you can race tire tubes in the water. Glen 'JAU' provided the boat for hours of water-skiing fun. Actually I would like to list all the fun things which happened, but Jim 'UA' probably needs the space for other stories, so if you want to know what can all happen at a good Field Day then show up next year and enjoy all the fun. Until then all I can say is that all of the following sure had a good time. Axel VE3OPF, Les VE3JAJ, Glen VE3JAU, Rob VE3FLB, Gwen VE3TRE, Ine VE3OTV, Ed VA3ER, Gary VE3GWT with wife Roberta, Jay VE3FWR, Eric VE3RUE with wife Sheila, Bob VE3RLZ with wife Cathy, and all the non Amateurs which dropped by to see what was happening.

73's de AXEL VE3OPF

## RAC Convention '94

If you were not one of about 1,100 amateurs in Calgary at the end of July, you missed history in the making. That's right folks, the first National Convention of Radio Amateurs of Canada is history. But it's not just because it's over. This was a meeting of some far sighted amateurs who have a vision of uniting all Canadian amateurs, advocating for them at all levels within Canada and on the international stage as well.

Even before the opening ceremonies, it was evident that there had been a great amount of planning and hard work performed by the Calgary Amateur Radio Club to prepare for the success of the convention. They thought of everything. From the attractive and well laid out programme guide to the Daily Telegraph (a bulletin quietly slipped under our doors each night which summarized the activities of the day and advised of programme changes for the following day).

An affirmation of our unity was demonstrated in a moving official opening when the flags were paraded through the assemblage to centre stage. Leaders of our former organizations and our neighbours to the south spoke briefly of how we arrived at this milestone and the work yet to be accomplished.

There were 30 one hour forums held over three days. A fast pace was maintained throughout the week end as 3 different forums are held each hour. This required each of us to select carefully the one to attend. Over 400 attended the RAC Forum on Saturday morning.

It certainly was not all business, there were some enjoyable social events as well. A wine and cheese party afforded us the opportunity to meet and greet on Friday evening. A semi-formal cocktail hour and banquet filled the agenda on Saturday evening. The keynote speaker was Dr. Robert Thirsk VA3CSA of the Canadian Space Agency. Bob has only been licensed for about three months. His duties with the Space programme do not permit much time to study for a ham ticket. I believe he is scheduled for a 1996 launch. He reports a number of other Canadian Astronauts want to become licensed amateurs if time permits. He expressed a keen interest in promoting radio contacts from space with Canadian school children, similar to those on previous SAREX flights.

A western barbecue at Symon's Valley Ranch put a wrap on the festivities Sunday evening.

The good planning of the Convention Committee was evident throughout the week end. However, the Calgary club does not normally host any flea markets. They made an exception for the Convention and if I had to find fault with something, it would have to be the flea market. It was small and I did not spend more than a few minutes looking over the tables. I was more interested in the many forums and meeting new friends.

The hospitality extended to us visitors was demonstrated at every turn. I pity those with the responsibility to host next year's convention. It will be hard to match the first one.

Canadian amateur radio operators can be rightfully proud to have overcome their differences of the past and celebrate in harmony and friendship the first true Canadian National Convention as we did last month in Calgary.

I am pleased to be able to say, it was a privilege to witness this first national gathering of so many individuals dedicated to one goal, that of solidly uniting all Canadian amateurs within Radio Amateurs of Canada. Judging from the people I met in Calgary, that goal will be achieved.

## Invite a criminal to dinner or what not to say on the radio

*by James H. Cavanaugh, KD1FW*

After reading an interesting article in a magazine from our friends in Newington, I felt security needed emphasis. Here are some scenarios:

A couple of hams discuss travel on the club repeater. One says he is going to Dayton; the other says he will leave next Wednesday for a month-long vacation.

Another ham uses the autopatch to tell his wife not to prepare dinner for him, as he will be going out for the evening.

All these everyday events would be harmless but for one small detail. They are transmitted over the air, where *anyone*

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**

**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**

Lakehead Amateur Radio Club History Project

can listen. *Anyone* includes the unscrupulous. With the help of a Callbook, a thief can use what he hears to his advantage. Thus you could become a victim of your own words. It's not something you would wish on yourself or on others.

You *can* do something about it. You can be careful what you say on the air, especially when it concerns a trip, an evening out, who's minding the store, etc. You could even change your ham license address to a P. O. box, to keep your real address from future Callbook editions.

But above all, don't lull yourself into believing, "It will never happen to me."

*From the August 1994 ARNS Bulletin—David M. Barton, AF6S, Editor; who credits the W4CN BBS and the April '93 Amateur Radio Transmitting Society (Louisville, KY) "Watts New"—Mark Steven Williams, K4OKX, Editor.*

## Important issues discussed at RAC Convention in Calgary

The rapidly changing face of amateur radio was evident at the annual Board of Directors of Radio Amateurs of Canada (RAC) meeting in Calgary on July 27 and 28.

Here are a few highlights of the many important issues confronted by RAC's Board:

RAC's Board elected a new streamlined executive with Farrell Hopwood, VE7RD, as President; Tim Ellam, VE6SH, as First Vice-President; Jim Dean, VE3IQ, as Vice-President Government Affairs and Ken Pulfer, VE3PU, as Secretary-Treasurer. In addition, the Board appointed executive assistants Debbie Norman as General Manager and Tim Ray, VE3XV, as Honourary Legal Counsel.

In keeping with the federal government's desire to have amateurs control their own destiny through the delegation of the administration of the Amateur Radio Service to RAC, much attention was devoted to the progress of the joint RAC/Industry Canada working group.

Jim Dean, VE3IQ, apprised the Board of the significant progress made in only a few months toward amateurs taking responsibility for the process - operator certification, call sign assignment and document distribution. Issues of station licensing and spectrum surveillance and management remain at the stage of very early discussion.

The Board was pleased with the results of discussions with Radio Amateur du Quebec inc. (RAQI) to have that organization assist RAC in providing future delegated service to almost one-third of Canadians who speak French.

The Board members were encouraged by the progress being made in the band planning processes. Reports submitted by both the HF and VHF/UHF Band Planning Committees indicated that the work to arrive at a national consensus on these plans is progressing very satisfactorily. These volunteer band plans are well on their way toward completion and publication.

George Spencer, VE3AGS, Chairman of the RAC/IARU Niagara 95 Conference submitted a report on the arrangements

and organization to host this important international conference. This is the first time Canada has had this privilege.

*From RAC News Bulletin 18-94 Packet Edition - 16 August 1994—Editor: Cam Inglis, VE3UXN @ VE3CDY with Steve Cutway, VE3GRS at the keyboard.*

## Northern Ham Flea Market (SSM)

The late summer and early fall is historically the time of year for the best buys at flea markets. This year, you should find some real bargains at The Northern Ham Flea Market (NHFM) on **Saturday, September 17<sup>th</sup>** in Sault Ste. Marie, Ontario.

Frank Geall (VE3FOG/VA3FOG), Chairman NHFM, advises that as early as July some 25 tables had been rented to both commercial and private vendors, including Kenwood Canada. He has specifically invited amateurs from the Thunder Bay area to attend their first flea market in over 25 years. With over 16,000 square feet of indoor exhibitor floor space available, the Armories on 375 Pine Street, seems to be the ideal place to hold the event. The floor plan included in Frank's letter shows 67 tables in an efficient layout. Doors open to the public at 9:30 a.m. to 3:00 p.m.

General admission is \$2.00 and children under 12 years are admitted free. Commercial exhibitors may rent a table for \$25.00 while private exhibitors are charged \$10.00. You may write to NHFM at 71 Coulson Avenue, Sault Ste Marie, Ontario P6A 3X4 or call Don Church (VE3DUN) at (705) 942-5812. Talk in repeater frequencies are: 146.94 MHz. (minus) and 147.06 MHz. (minus) for VE3SSM and VE3SAP respectively.

## THE BIG ONE

Mark your calendar! Saturday, October 29<sup>th</sup>, 1994 is the day of "The Big One". HAMFEST Minnesota & Computer expo will be held in the St. Paul Civic Center. Grand prize is a Kenwood TS-50S HF Transceiver. Another prize for advance registrants only is a Kenwood TM-733A Dual Band 2M/440 Mobile Transceiver. To mark this, the 10<sup>th</sup> Anniversary, there will also be a special raffle for 10 ICOM IC-2GXAT VHF HT's. What more could you ask for?

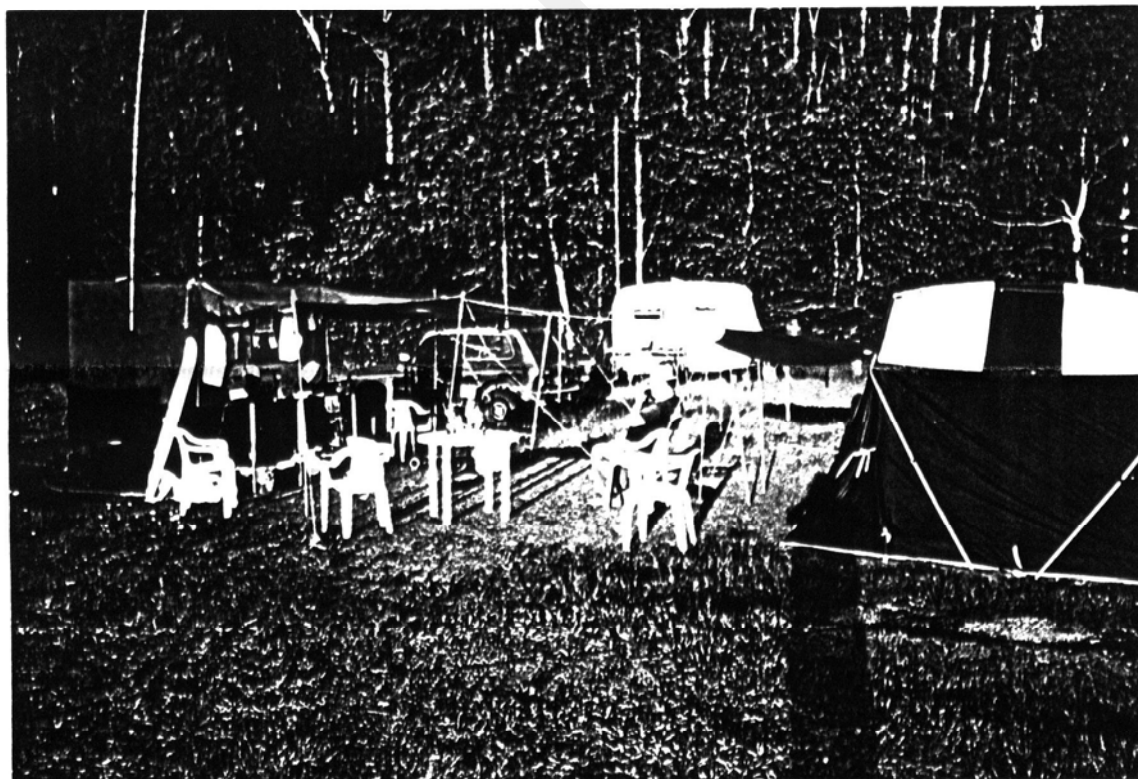
Admission is \$7.00 U.S. on the day of the show. However, there is a deal for you. For Advance Admission tickets, send a self-addressed STAMPED business sized envelope along with a cheque for \$5.00 U.S. per person. Make the cheque payable to: Hamfest Minnesota & Computer Show! Mail your request to:

Hamfest Minnesota & Computer Show  
P.O. Box 5598  
Hopkins, MN 55343  
U.S.A.

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**  
**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**



Marina Park Field Day operators. Back row left to right: Bob—VE3RVA, Matti—VE3EEI, Skip—VE3BBS, Dan—VE3DWP, Bill—VE3AJ, Terry—VE3TKA, and Rob—VE3FLB. Front row left to right: Ed—VE3SNW, Norm—VE3XRC, Moe—VA3MOE, and Ian—VA3RIM. *Photo by Marian, VE3MJN.*



The other Field Day camp site. *Photo by, VE3OPF.*

---

Moving? Be sure your Hi-Q follows you! Send your change of address notice to:  
 LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada

**LAKEHEAD AMATEUR RADIO CLUB INC.**  
1994/95 MEMBERSHIP APPLICATION

**CLASSES OF MEMBERSHIP**

**FULL MEMBERSHIP \$30** - open only to licensed amateurs

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Telephone number: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ May we publish the phone number? Yes / No.

Call(s): \_\_\_\_\_

Are you a member of RAC? If so please insert RAC membership #: \_\_\_\_\_

**FAMILY MEMBERSHIP** - immediate family residing at the same address holding licenses \$30 plus \$10 each additional person

Names and Calls: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**STUDENT MEMBERSHIP \$15** - open to persons enrolled in a full time education facility

List School and program: \_\_\_\_\_

**ASSOCIATE MEMBERSHIP \$20** - upon approval of the Board open to:

- 1) non holders of amateur license
- 2) licensed amateurs living outside the Thunder Bay area or are unable to attend regular meetings of the club

If you feel you should be an associate member please indicated why, on a separate sheet, to be used by the board to consider your application.

TREASURER	ARES	VE3YQT \$D	VE3TBR \$D	HI-Q LABEL	CALL-BOOK		SECRETARY

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**  
**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**



FOR AMATEURS - BY AMATEURS

AMERITRON-ANTENNACO-A.O.R.-ASTATIC-AZDEN-B&W-BAYCOM-BENCHER-CREATE-DATONG-DELHI-  
DIAMOND-DAIWA-EMOTATOR-GAP-GENESYS-GUNFLEET-HEIL-JRC-KENWOOD-LAKEVIEW-MFJ-  
PALOMAR-SKYWARE-STARTEK-SYNTHETIC TEXTILES-TEXPRO-TIMEWAVE-UNADILLA-UNIDEN-VALOR-  
VAN GORDEN-VIBROPLEX-WILSON

TALK TO THE WORLD WITH

## GARANTENNAS

L.M. (SKIP) WRIGHT  
RR #14, MAPLEWARD ROAD  
THUNDER BAY, ONTARIO  
P7B 5E5

PHONE (807) 768-8164

VE3BBS-MEMBER-RADIO AMATEURS CANADA-VE3RCN

-MEMBER-LAKEHEAD AMATEUR RADIO CLUB-  
-MEMBER-AMATEUR RADIO EMERGENCY SERVICE-

### AMATEUR RADIO ANTENNAS & ACCESSORIES

MANUFACTURERS OF THE WORLD FAMOUS GD SERIES WINDOM ANTENNA

-SUPPORT NATIONAL AMATEUR RADIO - JOIN RADIO AMATEURS CANADA -

## Santa comes early this cycle!

by William J. Gillis, VE1WG

Propagation on the HF bands has not been kind to DX enthusiasts. Prospects for improvement, based on March forecasts, were long term with the current Cycle 22 predicted to reach its minimum about the end of 1996. Well, there's a possibility of some reprieve!

The National Oceanic and Atmospheric Administration /Space Environmental Services Center are now forecasting Cycle 22 to reach minimum by the second half of 1995. That means Cycle 23 will commence at least a year earlier and improved propagation during its peak will occur that much sooner.

The earlier forecast was based on an 11 year average from centuries of observations. Closer analysis of recent Solar Cycles shows that they tend to fall into two mean durations; 10.2 years and 11.8 years and it is now forecast that Cycle 22 will have the shorter mean duration allowing Cycle 23 an earlier start.

*From the July 1994 Moncton Area Amateur Radio Club newsletter, "QTC", the Editor was not listed.*

## Sleeping Giant Camporee

by Ian Mellis, VA3RIM

The Lakehead Amateur Radio Club was asked by members of Scouts Canada to join the Boy Scouts and Girl

Guides from across Northwestern Ontario at their weekend Camporee at Sleeping Giant Provincial Park on the Sibley Peninsula near Lake Superior towards the end of June, 1994. Our club was to provide one of the learning activities in which the boys and girls could partake. Volunteering to do this was Terry Stewardson (VE3TKA), Rob van Wyck (VE3FLB) and Ian Mellis (VA3RIM).

On Friday evening Terry and Rob got out there early to put our antennas up. I got there after all the work was done. These antennas consisted of a dipole for H.F. and a vertical for 2 metres. The dipole was stretched from the roof of the Visitor's Centre to a tree across the yard and the 2 metre vertical was leaned against the veranda roof. Under the veranda on a picnic table they put the radios. From this vantage point we overlooked beautiful Lake Marie Louise facing Thunder Bay. The weather co-operated. It was perfect.

There wasn't much for us to do that evening since the Scouts and Guides were themselves just arriving and setting up their campsites. The one activity that was occurring was held at the outdoor amphitheatre in which Bob Bishop (VE3JAB) took part. The boys and girls were able to listen to presentations about our solar system and Bob being a member of the Royal Astronomical Society of Canada fit right in. The setting was perfect for such an event; a wonderful experience for everyone involved. Otherwise it was a quiet evening. Terry went back to town. Eventually Rob got into his tent and I got into the back of my truck to sleep.

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**

**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**

Lakehead Amateur Radio Club History Project

Saturday dawned bright and beautiful. Rob and I had breakfast provided by the Scouts organization (ie parent volunteers). It was bacon, eggs, sausages, pancakes, syrup, three kinds of juice, coffee and tea all mixed with wood smoke from the campfires. Young people in their teenage years and parents were everywhere. Everyone was trying to wake up. The whole area was coming alive. Rob and I slowly walked back to the radios and the Visitor's Centre to get a little more rest and recuperate in the sun. (It's a tough job being a LARC volunteer.)

From my seat at the picnic table under the veranda of the Visitor's Centre tapping a bit of solar energy I was able to get a view of where we would be spending the day. In front of me was a beautiful green lawn fringed by trees and other greenery. Further down a slope and across the parking lot where we had spent the night, Lake Marie Louise was shimmering and glistening in the sun. High green hills were on the other side and Thunder Bay was far beyond that. Back at the lawn a winter bird feeder was still in use by our feathered friends. Several different varieties in various shapes and colours were fluttering about getting their breakfast. Behind me was the wonderful Visitor's Centre. You have to see it to believe it.

It was in this setting that Rob and I had to work. About 8:45 am someone came along and told us what would happen beginning at 9:00 am. There were about 250 Scouts and Guides at the camp along with numerous leaders, parents and officials making a grand total of about 300 people. The Scouts and Guides were divided into groups of between ten and twenty people. These groups were going to go through a variety of activities that would test their skills, be challenging and be fun throughout the day. Learning about amateur radio was one of these activities.

The first group sauntered in, still a bit sleepy eyed but obviously full of potential energy. I realized that this was going to be just like any other working day in the classroom.

Rob and I had decided that I would do the introductory theory part and he would do the actual radio demonstration and let the Scouts and Guides actually talk on the radio if they wanted to. So in that outdoor classroom I went to work trying to remember my own radio classes under Ed Baumann (VE3SNW). We talked about waves. They made them on a rope. They saw them on the water. They couldn't see them in the air! We talked about antennas and radios and repeaters and outer space and satellites. At this point after about 10 or 15 minutes, they went over to Rob to see this in action. It was a new experience for most of them. A few knew about it. Some had other things to think about and some were enthralled and wanted more. They even had the opportunity to talk on the radio but then they had to move to another activity as a new group began to arrive and we started all over again.

This went on all morning. Each group was with us for about half an hour. Lunch was again provided by the parent volunteers in a dining tent. It was "make-your-own-sandwich". All kinds of meats, cheese and other fixings were there. It was a smorgasbord; more juices, coffee and tea - all in that

gorgeous setting!

It was then time for more rest and recuperation in the sun and shade of the Visitor's Centre for Rob and I. Rob decided to check out his C.W. skills. As I was lounging in a lawn chair a little hummingbird zoomed in and hovered over Rob, checked out his C.W. speed and then zoomed off again. Around 1:00 pm it was back to work as the next group arrived. The young people were now noticeably more tired. I guess their other activities were very energy draining, strenuous and challenging.

During the afternoon Bob (VE3JAB) dropped in a couple of times. I knew that a man such as he, a director of Radio Amateurs of Canada, should be asked to work the radios. Bob agreed. Bob would sit down at the table and the young people would gather around him four or five deep listening to him and watching what he was doing. From my vantage point I realized that what I was watching could not be described adequately in words. One had to be there to see it. When I explained to the one or two parents/leaders of the group, who Bob was, they too agreed that it was a memorable moment for everyone involved at that gorgeous spot beside Lake Marie Louise.

Rob and I continued to do our thing for the rest of the afternoon. In total we gave the experience of amateur radio to about 300 people.

When Rob and I finished the last group, Terry (VE3TKA) arrived (just in time for the real work of the day as we were to find out). An official asked us to be cooking judges. Each of us "reluctantly" volunteered. Apparently, different Scouting and Guiding groups were vying for the "Best Cooking Award" and the three L.A.R.C. members were to give our opinions. Each of us was sent to a different Scout campsite to "sample" a meal.

A couple of hours later, the three of us happened to regroup back at the Visitor's Centre to compare notes. About the only thing we compared were the menus. Each of us had been provided with a printed menu when we arrived at the campsite whereupon we were asked to sit down with the group to test the meal. This was our supper; prepared by that group. At this point, I will give you the menus. [As a member of the Lakehead Amateur Radio Club you know that being a cooking judge is not in the contract of a L.A.R.C. volunteer so it must be realized that Terry, Rob and I were working well beyond the call of duty.]

Here are the menus for each of us:

Terry:

roast beef, done on an open spit since 11:30 am  
potatoes and onions wrapped in tinfoil over open fire  
home-made brownies baked in charcoal oven coffee,  
tea or grape juice

Rob:

grilled perch glazed with a succulent butter sauce  
fine white rice smothered in special cheese sauce  
corn-on-the-cob fresh peas Banana Road-kill  
(banana cut in centre and filled with marshmallows  
and chocolate wrapped in tinfoil and heated over  
open campfire)

Ian:

roast corn-on-the-cob soaked in melted butter, salted to taste pork chops, cooked on open grill and browned to perfection with home-made apple sauce home-made baked scones with raisins baked whole apple smothered with a raisin sauce

As you can see being a L.A.R.C. volunteer is a tough job. Because each of us did not have time to test each menu we did not submit an official report!

While we were recuperating at the Visitor's Centre, a group of Girl Guides came up to us and wanted to learn more about amateur radio (their leaders said they had asked for more). These ladies were actually a very young group and obviously still full of energy (about 11 or 12 years of age). Since Terry, Rob and I weren't getting paid overtime under the L.A.R.C. contract (and since the three of us needed a few more minutes rest) I suggested that in order for us to get back to work, that we couldn't do it for nothing, that we would have to be paid and so I suggested that they would have to sing for us. I thought there might be a protest (I was vying for time) but there was absolutely none. They at once sat down on the ground in front of us with the lawn and Lake Marie Louise behind them and launched into their first camp song and for the next half hour we were serenaded by young voices with the finest of choral music. How's that for after-dinner music? At that point one of them suggested nicely that she thought that it was about time for more radio!

Of course Terry and Rob had their HF tickets so they took over. (Once again readers, I hope you realize how far beyond the call-of-duty your fellow members had to go in order to fly the L.A.R.C. flag high.)

Darkness was beginning to fall and the girls had to get off to their evening campfire ceremonies so they reluctantly left us and we all slowly walked down to the lake.

The sunset in the west that evening was gorgeous. It reflected it's changing hues across the water as we neared the shore. Two wild ducks were floating about thirty feet from shore. About three hundred people were descending to that spot from all directions. The campfire was appropriately lit and the mood changed to up-beat as different groups put on their skits. There is no hand clapping at a Scout campfire, only "humorous chants" led by someone. The evening became dark, the performances ended and the campfire was appropriately extinguished according to Scouting tradition.

The moon shone on Lake Marie Louise and the stars twinkled overhead. The paths back to the campsites were lit by Scouts and Guides holding flash-lights every few feet. All was quiet as we made our way from the campfire area.

Back at the Visitor's Centre Terry, Rob and I packed our equipment. Later when all the leaders met, Rob, Terry and I were also there. We were thanked and given Camporee crests that marked the occasion. It was an honour to receive them.

It was a wonderful weekend for Terry, Rob and I. Amateur Radio information was given to a lot of people. We were very successful but the three of us could not have done it

alone. When the young people got on the radio during the day to talk with someone, there had to be someone there to talk to otherwise nothing would have happened. The following people were there when we needed them. They are also members of the Lakehead Amateur Radio Club. They were VA3DVE, Dave; VA3SAW, Stan; VE3BBS, Skip; VE3DWP, Dan; VE3DZR, Dwayne; VE3XAW, Annabelle; VE3PHU, Pat; VE3GWT, Gary; VE3JAJ, Les; VE3NPS, Nestor; VE3ZG, Mike; VE3KV, Len; VE3RVA, Bob; VA3GD, Pat and if anyone was forgotten, please accept my apologies. You'll just have to send us back again next year.

## A.R.E.S. in Thunder Bay

With the ARES (Amateur Radio Emergency Service) clinic being held during the HamFest weekend at the Lankmark Inn, it is hoped that new and old hams alike of the club will be introduced to this valuable service supported by the LARC. VE3JJA, Woody Linton, is the DEC (District Emergency Coordinator) for ARES in Northwestern Ontario and will be conducting the clinic. Myself, I am the EC (Emergency Coordinator) for the city of Thunder Bay.

The ARES booklet, which outlines the guidelines in the event of a disaster will be ready for distribution after the clinic. Interested persons who would like to get involved in ARES will be contacted and further training initiated. Many of you have already indicated an interest. You don't have to have years under your belt in amateur radio to get involved. Just a desire to help and to be a service to your community is all that is required.

This column will be monthly feature in HI-Q and will be devoted to happenings within Thunder Bay which pertain to the Amateur Radio Emergency Service. Topics such as formal message handling, operating procedures and other subjects will be covered.

73. Skip, VE3BBS

## Space shuttle launches

I see from the Copper Country Radio Amateur Association August bulletin, "The LANDLINE", that the next two flights will both have high inclination orbits. Reaching a maximum latitude of 57°, they will be well within range of Northern Ontario. If you hear them or make contact with them, please let your Editor know about it. Our readers would like to read about it. The following launch dates are of course subject to change.

Flight Number	Launch Date
STS-69	09 Sep.
STS-66	27 Oct.

## Happy Birthday, Les

Les, VE3JAJ, celebrated his birthday on August 26<sup>th</sup>. No one knows which birthday it was. I hear that a fire permit had to be obtained to light candles. Hope you had a good time, Les. Here's to many more as well. Happy Birthday!

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:**

**LARC — Hi-Q • P.O. Box 2571 • Thunder Bay ON P7B 5G1 Canada**

Lakehead Amateur Radio Club History Project

## Minutes of a meeting of the Lakehead Amateur Radio Club held in Room 245 at Confederation College Thunder bay, Ontario on June 9, 1994

The meeting was called to order at 7:30 pm by the President VE3TKA, Terry Stewardson with 33 members and guests in attendance. The meeting started with a round-table of those in attendance introducing themselves.

### Minutes of the previous meeting:

The minutes of the previous meeting held May 12, 1994 were published in detail in the June edition of "HI-Q" and mailed to all members.

**Motion:** moved by VE3VUK, Mark Vukovich and seconded by VE3RVA, Bob Hansen that the minutes be accepted as printed. . . . **Carried.**

### Treasurer's Report:

VE3BBS, Skip Wright reported the annual 1993-94 financial statement as of June 9, 1994 as follows:

Balance forward as of May 12, 1994	\$288.36
Expenses	\$485.46
Income	\$1,243.20
Balance as June 9, 1994	\$469.38

**Motion:** moved by VE3AJ, Bill Klemacki and seconded by VE3NPS, Nestor Procup that the Treasurer's report be accepted. . . . . **Carried.**

### President's Report VE3TKA Terry Stewardson

**Call Books:** our total cost for the Northern Ontario Call Books was \$ 1927.01 including all taxes. As of June 9, 1994, we have brought in \$ 1510.00 as revenue.

**Boy Scout Jamboree:** Terry offered a special thanks to VE3FLB, Rob Van Wyck and VA3RIM, Ian Mellis for their work at a recent Boy Scout Jamboree held at Sleeping Giant Provincial Park. These two amateurs operated both a VHF and HF station during the weekend giving both Girl Guides and Boy Scouts an opportunity to participate in Amateur Radio. Also, the amateurs in town who talked to the Scouts and Guides were also thanked.

**Link to Grand Marais:** is progressing. VE3EMI, John Kaleta has got the radios working and VE3KV, Len Catillo has got the box welded that the radios will be put in.

**EMO Exercise:** a simulated emergency in Cook County (Grand Marais) was held on Thursday June 8, 1994. Thunder Bay was involved in this exercise. Packet radio was used extensively to pass traffic from Grand Marais to Thunder Bay. VE3BBS, Skip learned a lot about packet, especially when

long lists of names were involved. Reports from packet were faxed to Thunder Bay EMO headquarters. Amateur radio in Grand Marais set up a HF station in the Cook County courthouse. When the station was powered up, it played havoc with all the digital recording equipment in the courthouse.

### Old Business:

**Hamfest August 27/94:** rooms have been booked at the Landmark Inn. Breakfast will be from 7:30 am to 10:00 am, a smorg costing approximately \$7.00. Hamfest will run from 10:00 am to approximately 2 or 3 pm. The executive is presently setting up clinics during the day, especially packet. We have also made arrangements to hold the 60th Anniversary Dinner that evening with a cost of around \$17.00 to \$20.00. We are also working on a speaker or two for the dinner. Once everything is finalized, a mail-out will be sent to all members.

**Canada Finland Week:** just needs some more fine tuning. A HF station will be run from the Finlandia Club June 27 to July 2.

**Field Day:** June 25th and 26th at the marina in conjunction with the Industrial Accident Prevention program.

**Motion:** moved by VE3JAB, Bob Bishop and seconded by VE3VUK, Mark Vukovich that the Lakehead Amateur Radio Club purchase a banner for outdoor events. Banner to cost approximately \$ 165.00 plus taxes. . . . . **Carried.**

### New Business:

**Radio Amateurs of Canada (RAC):** VE3JAB, Bob Bishop reported that the RAC Convention agenda is growing. VA3GD, Pat Doherty and VE3UA, Jim O'Brien will be attending the convention. In the fall of 1994, new directors for RAC will be nominated with the appropriate forms published in the Canadian Amateur. Bob indicated that he had mixed emotions about as continuing on as a director.

**Adjournment:** moved by VE3VUK, Mark Vukovich that the meeting be adjourned. . . . . **Carried.**

**50/50 Draw:** winner of the 50/50 draw was VE3TKA, Terry Stewardson.

Following a short break, VE3BBS, Skip Wright and VE3XRC, Norm Bell gave a brief presentation on the Emergency Preparedness Canada Telecommunications Course in which they participated May 16 to May 20/94 at the Emergency Preparedness College in Arnprior.